

Fig. 1

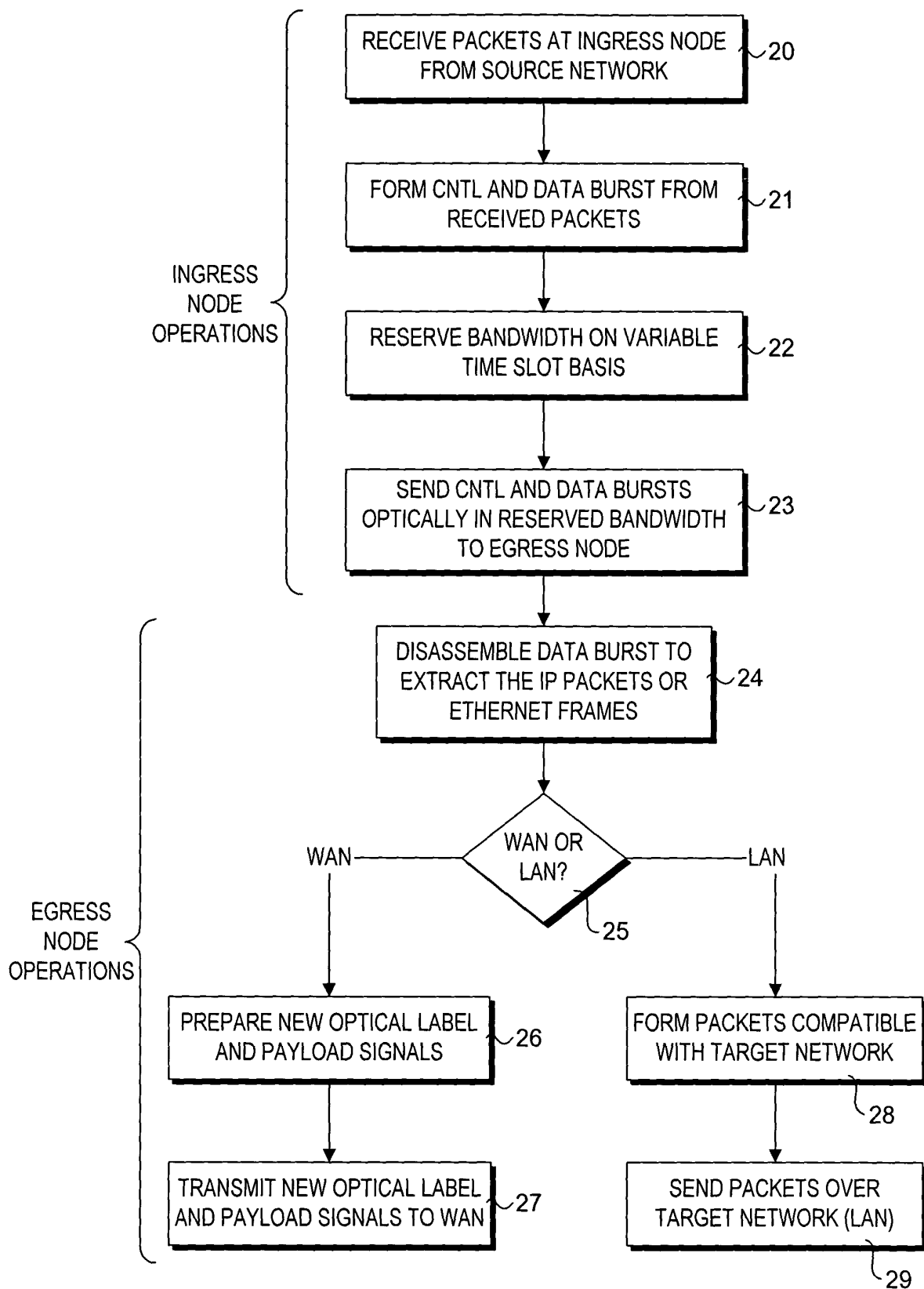


Fig. 2

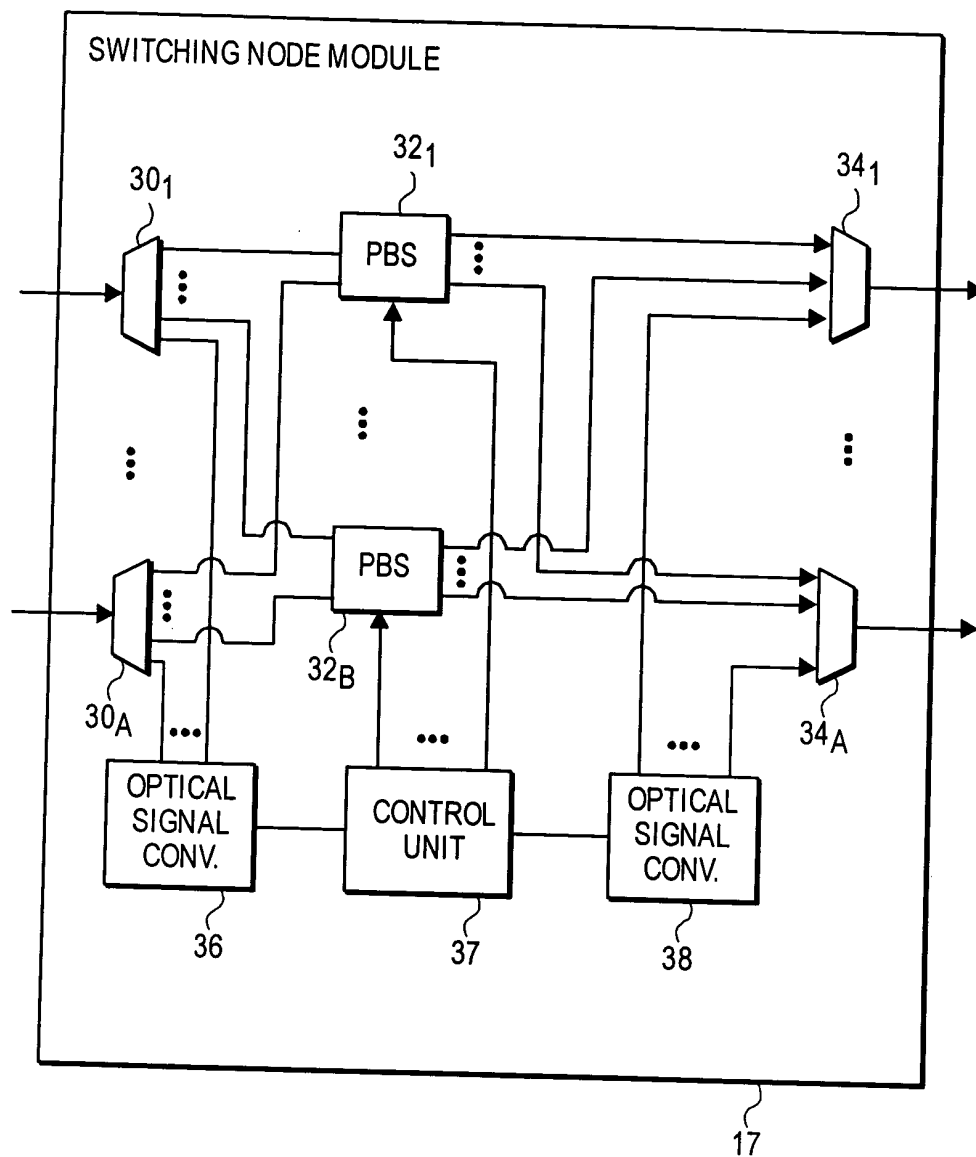


Fig. 3

OPTICAL DATA BURST FORMAT

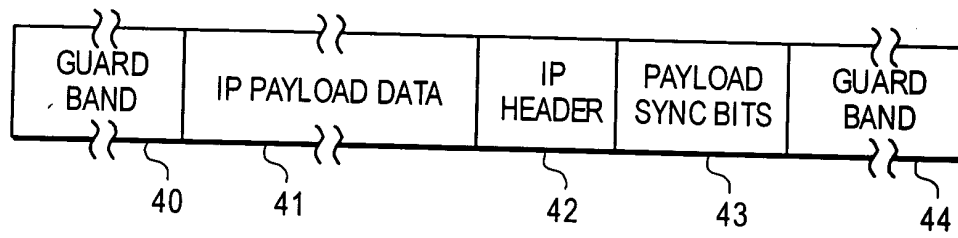


Fig. 4a

OPTICAL CONTROL BURST FORMAT

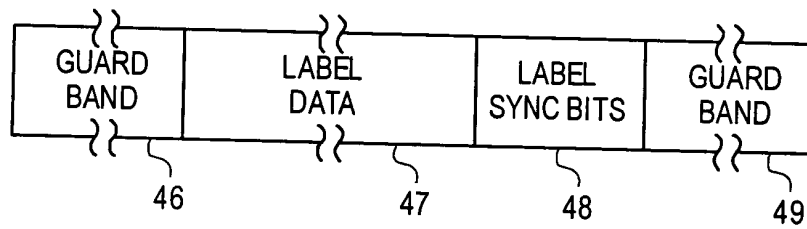


Fig. 4b

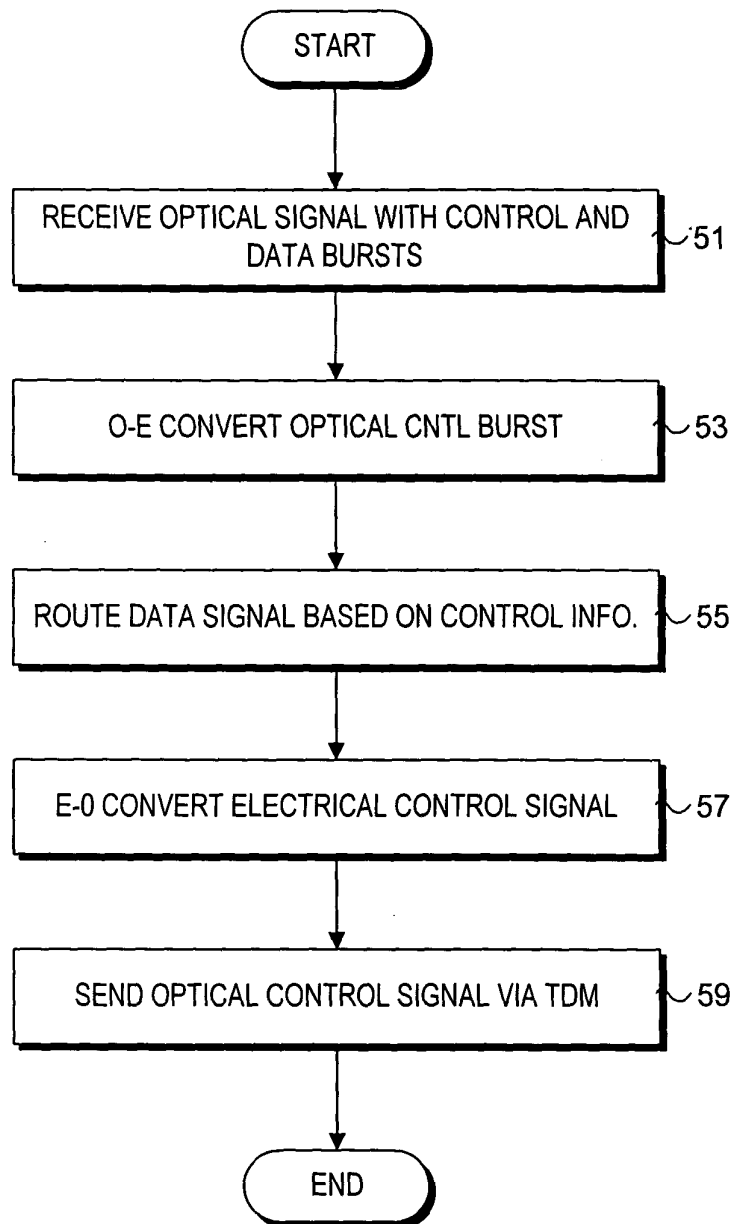


Fig. 5

GMPLS BASED ARCHITECTURE FOR PBS

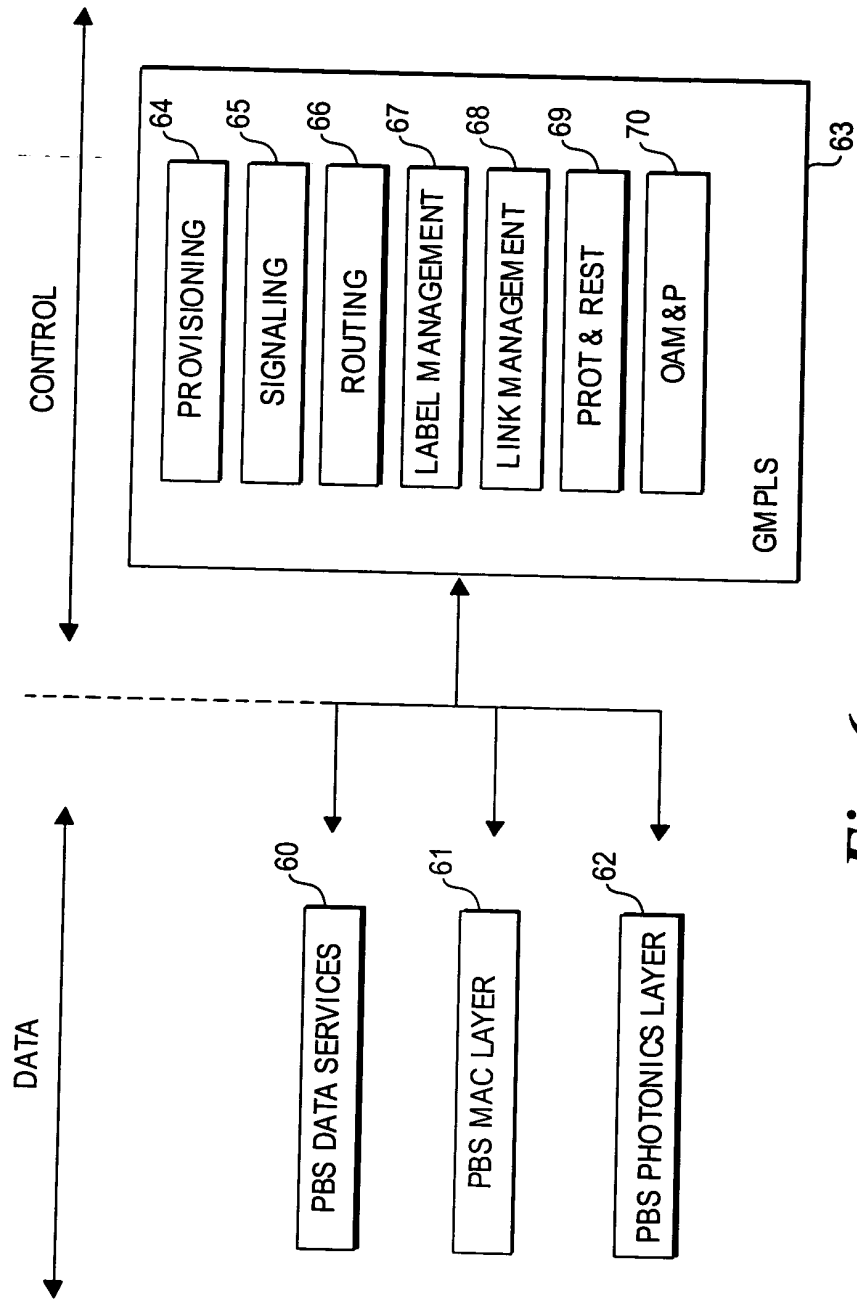


Fig. 6

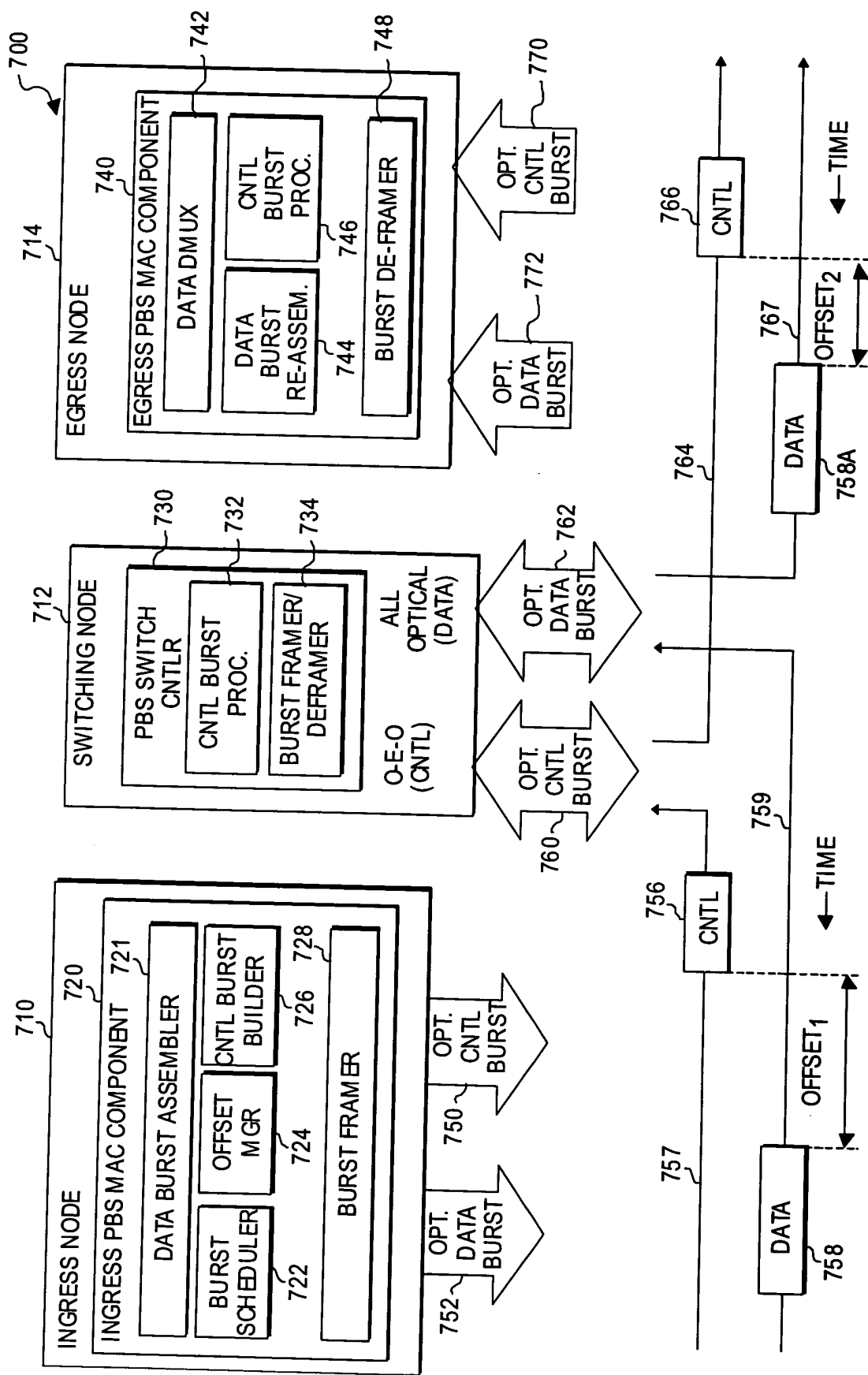


Fig. 7

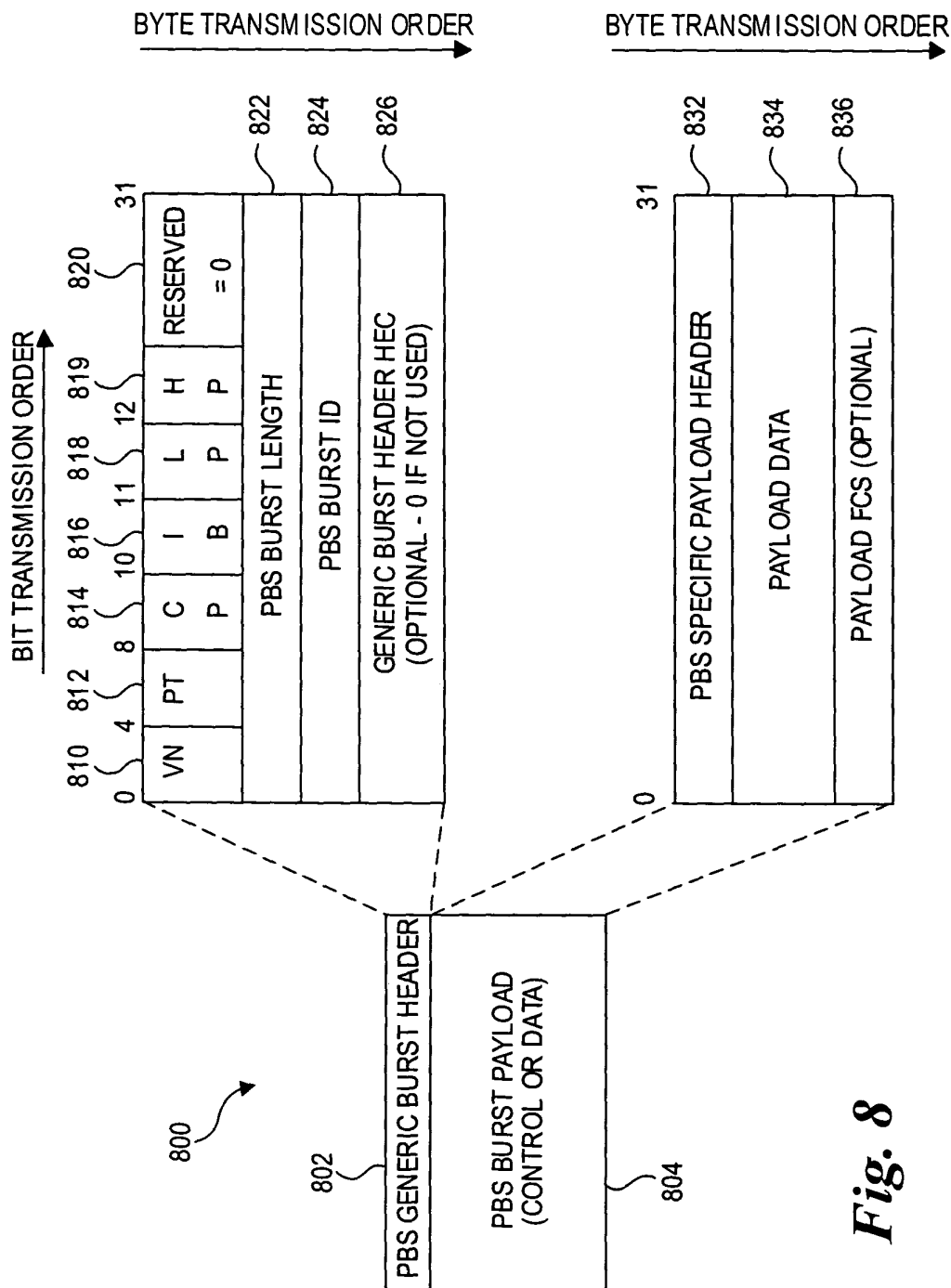


Fig. 8

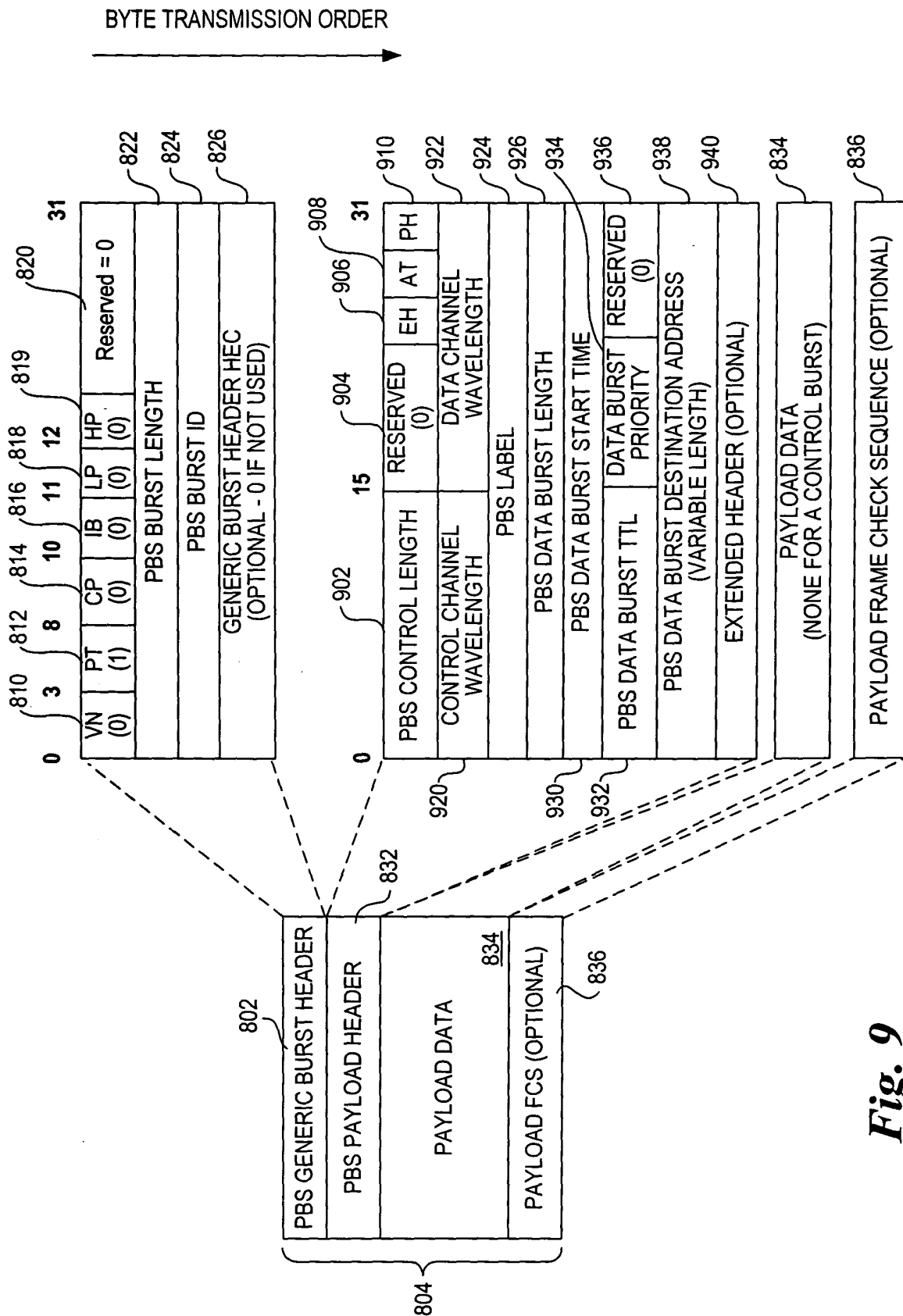


Fig. 9

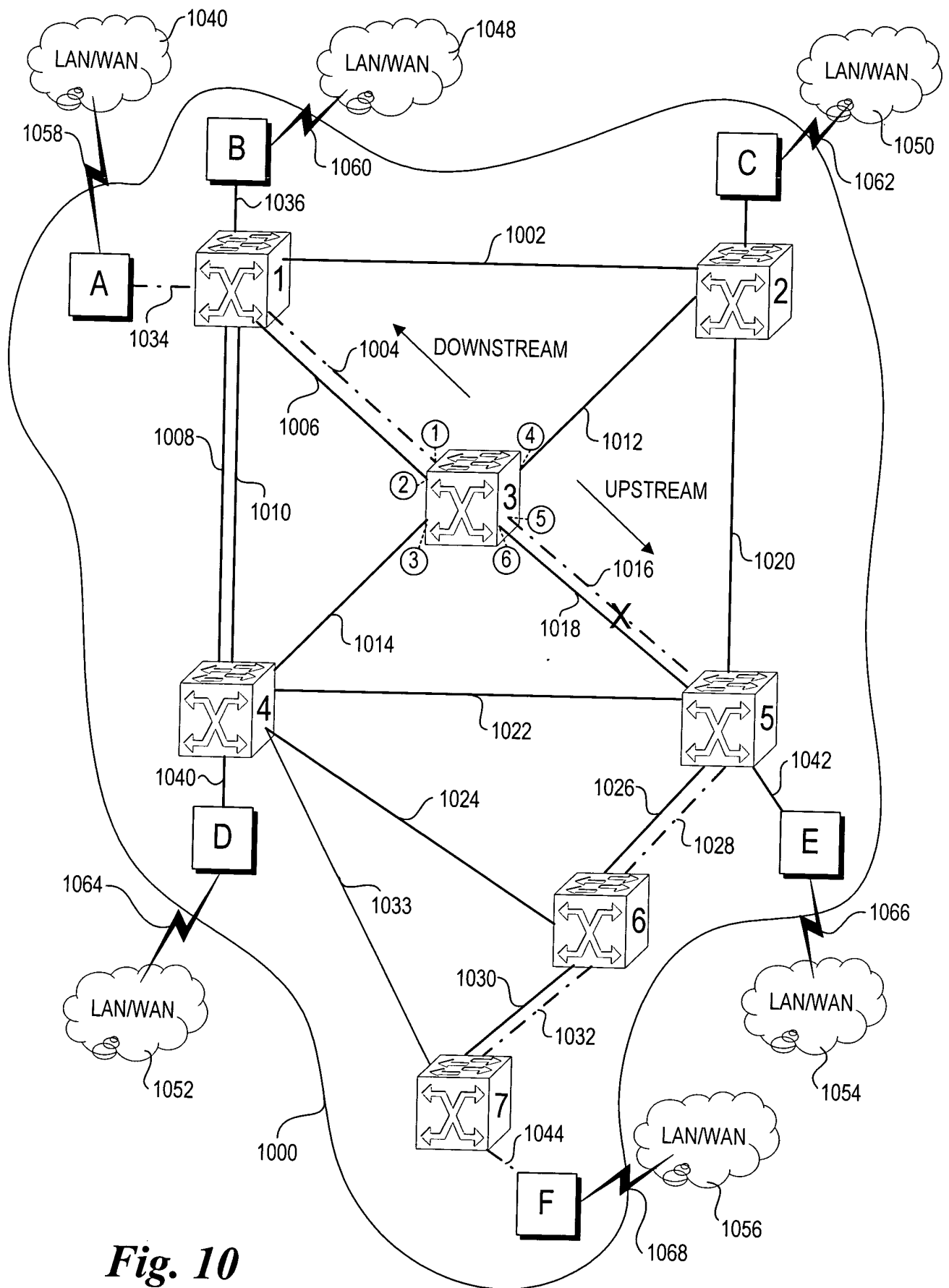


Fig. 10

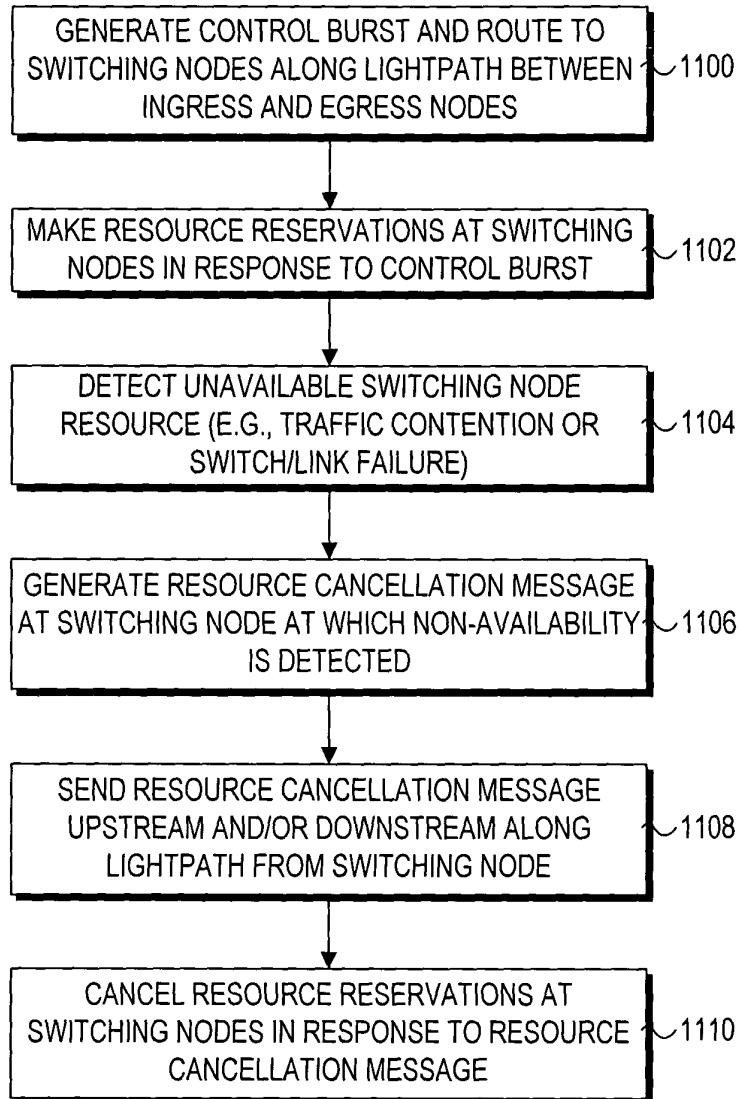


Fig. 11

RESERVATION TABLE									
Key (Burst ID)	Input Fiber		Input		Output		Output-Lightpath		Status
	Port	Wavelength	Segment ID	Fiber Port	Wavelength	Segment ID	Start Time	End Time	
... 1005	1	196.4	1004	5	196.4	1016	12:00:000	12:00:001	1
... 1027	1	197.2	1004	5	197.2	1016	12:00:000	12:00:003	1
... 1045	2	197.2	1006	6	197.2	1018	12:00:001	12:00:002	1
... 1115	3	196.4	1014	4	195.6	1012	12:00:002	12:00:003	1
... 1146	1	195.6	1004	5	195.6	1016	12:00:002	12:00:004	1
... 1178	2	196.4	1006	6	196.4	1018	12:00:002	12:00:003	1
... 1222	6	197.2	1018	1	197.2	1004	12:00:004	12:00:006	1
... 1256	4	195.6	1014	3	195.6	1014	12:00:004	12:00:007	1
... 1313	2	196.4	1006	2	196.4	1006	12:00:005	12:00:006	0
... 1345	5	195.6	1016	1	195.6	1004	12:00:005	12:00:007	0

Fig. 12

1200

Fig. 13a

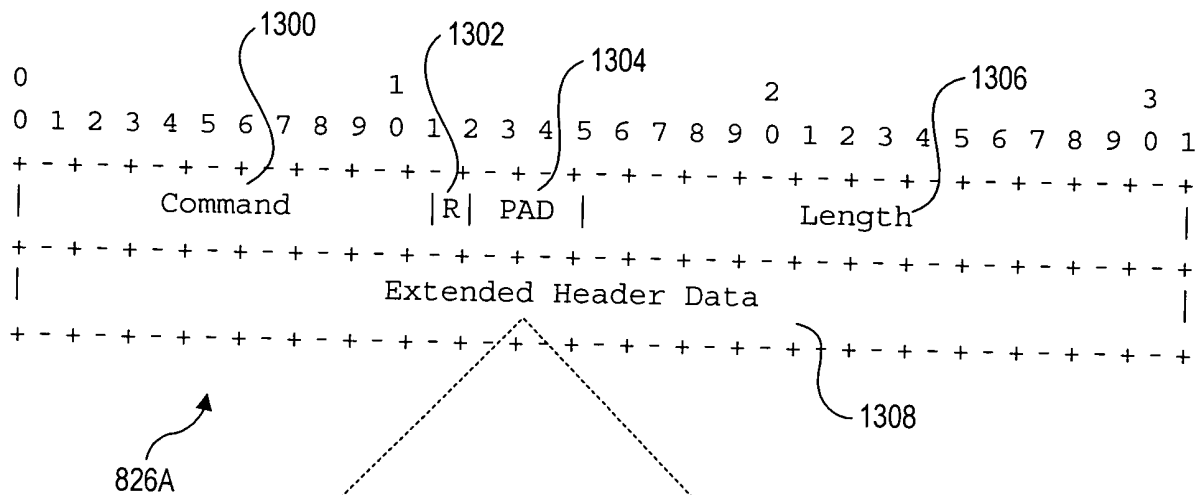
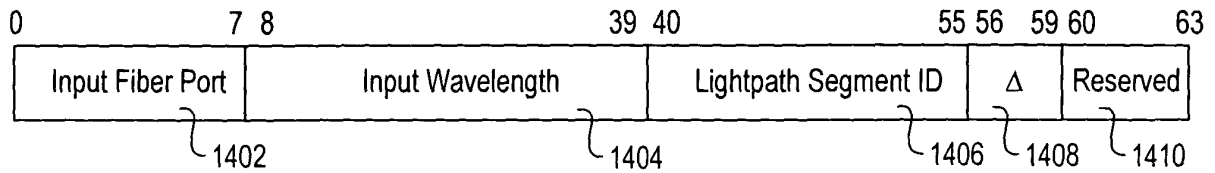


Fig. 13b

- COMMAND
- 1: CANCEL BANDWIDTH AT NODE
 - 2: RELEASE ALL NODES
 - 3: RELEASE ALL UPSTREAM NODES
 - 4: RELEASE ALL DOWNSTREAM NODES

Fig. 13c

Node Address of Failure/non-availability
Type of Failure
Label - a
Label - b
...



1400

Fig. 14

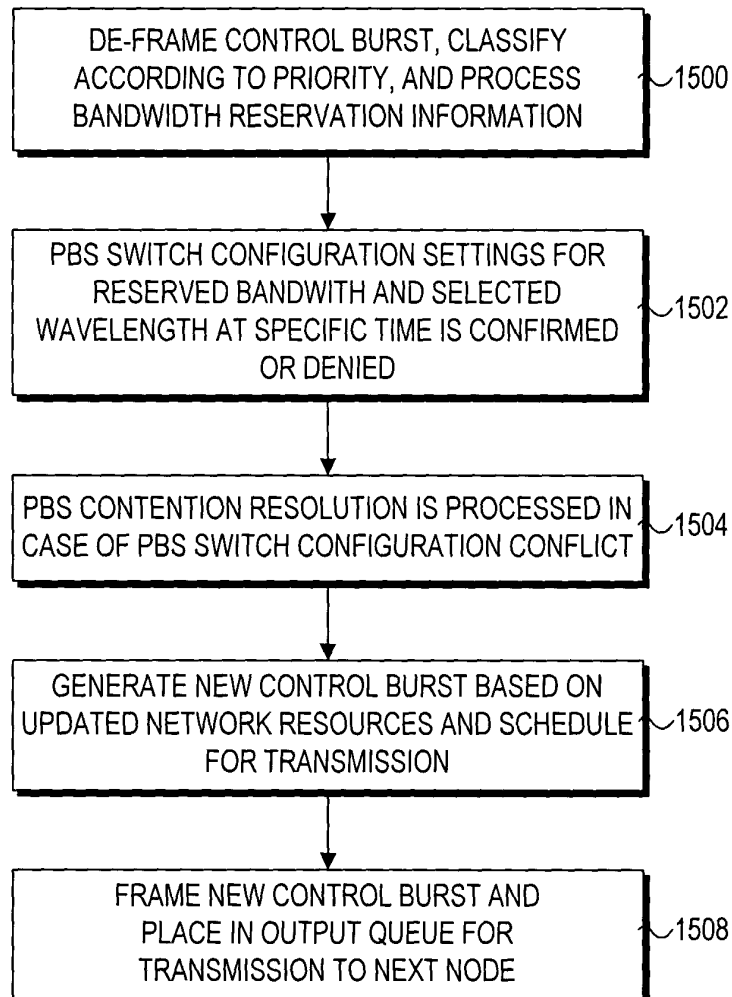


Fig. 15

Fig. 16

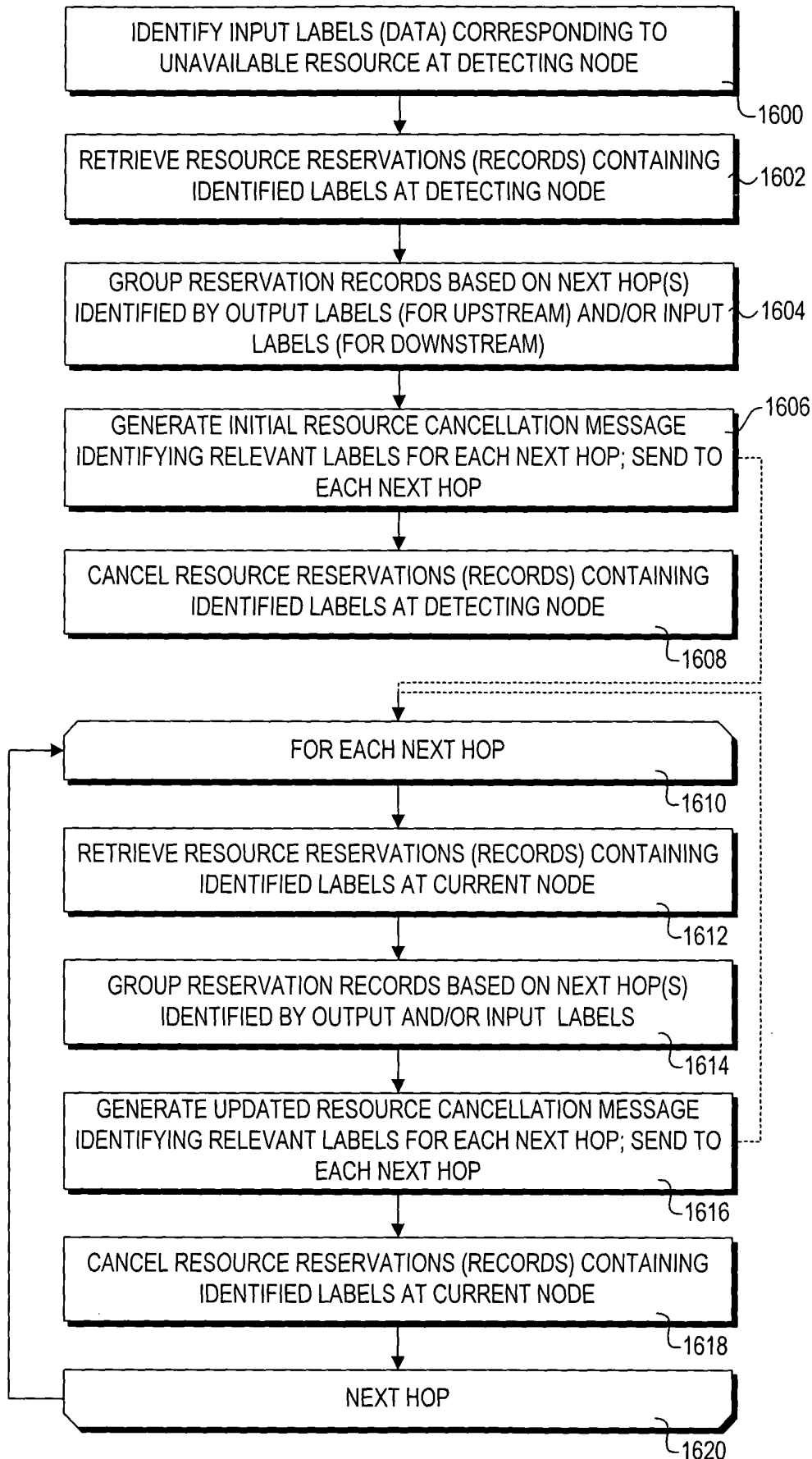
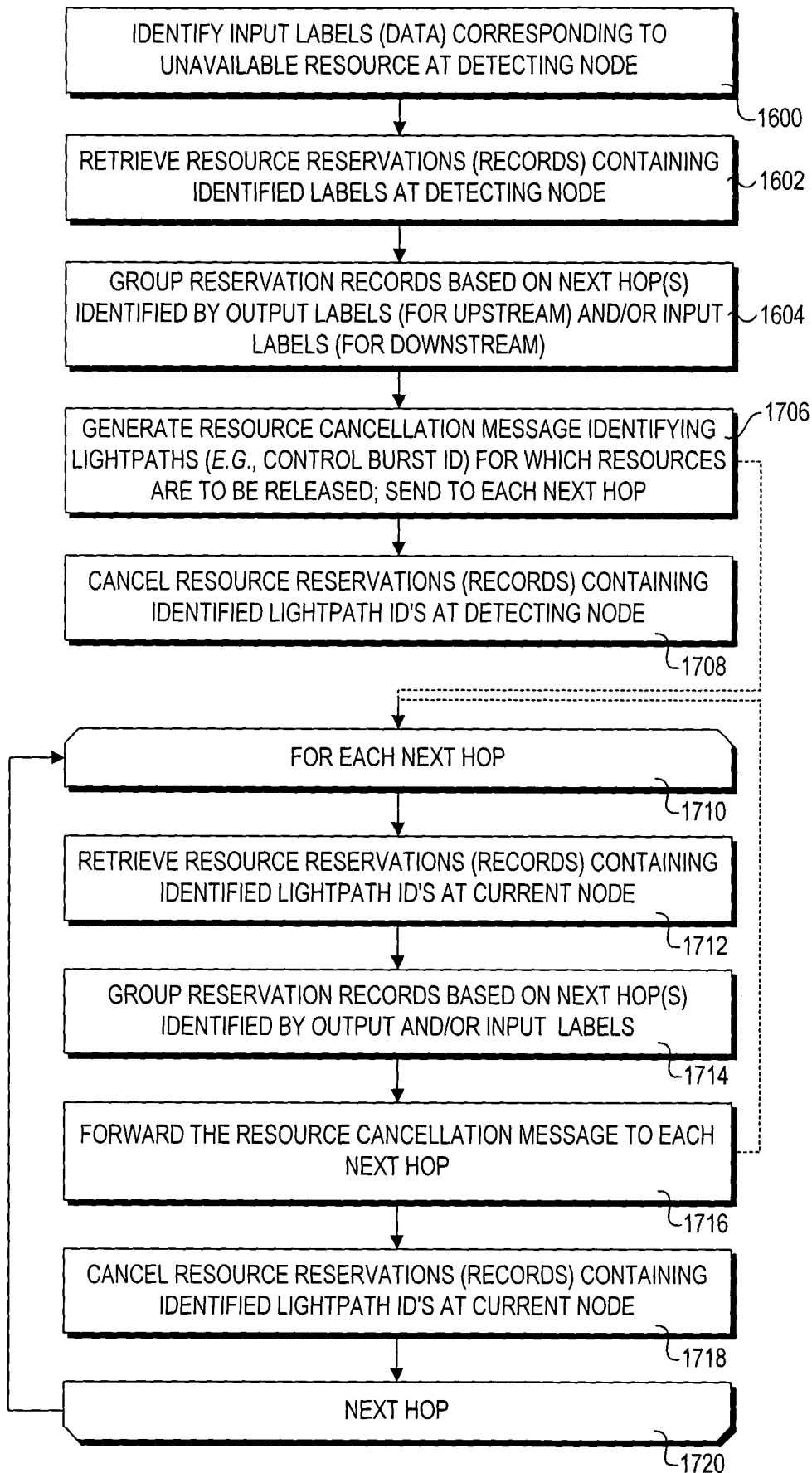


Fig. 17



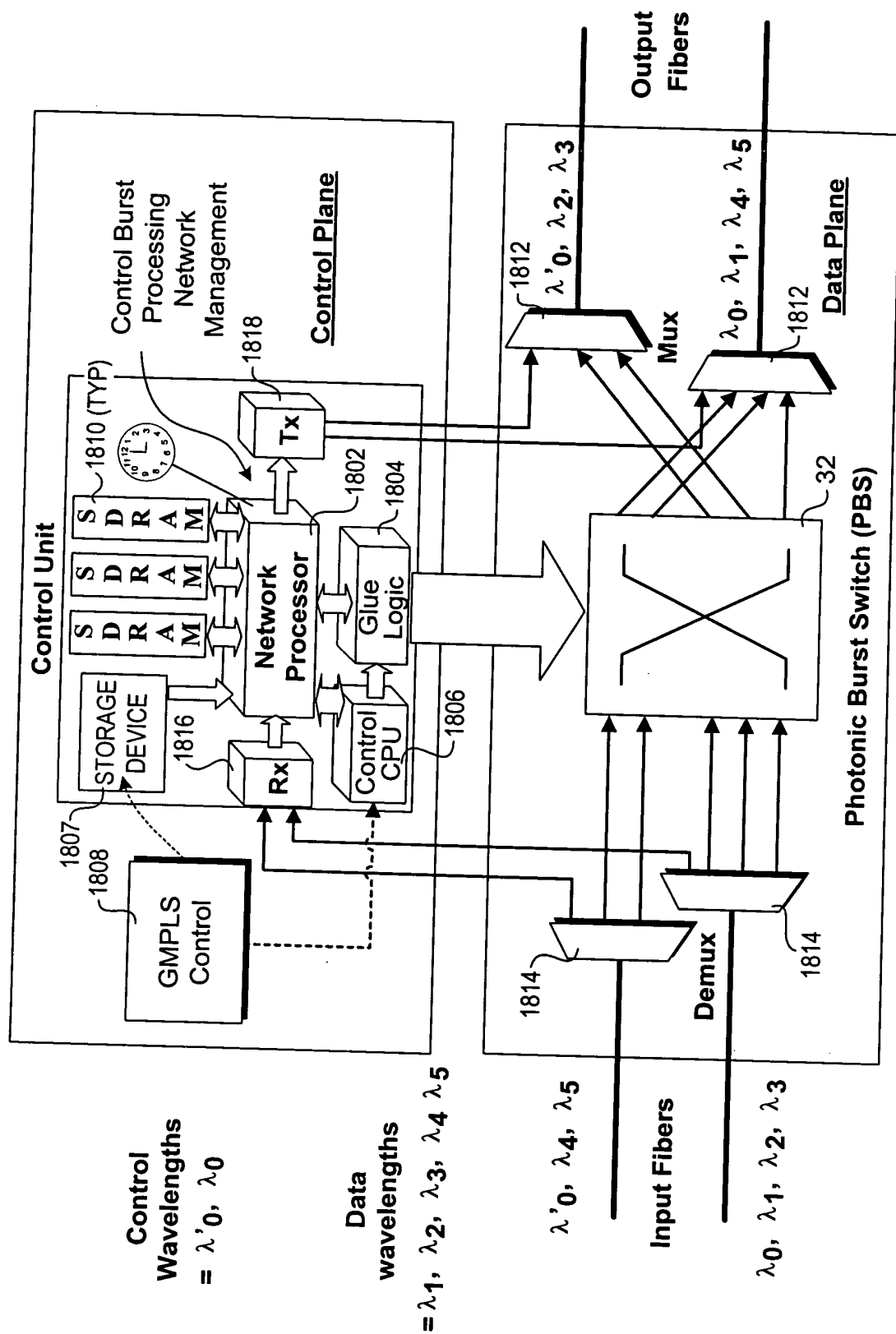


Fig. 18